

## Product Information



# Industrial Extreme Pressure Gear Oil

**Multi-Purpose Industrial Gear Lubricants**  
**Blended to ISO Viscosity Specs**  
**Meet AGMA Gear Oil Specifications**

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### DESCRIPTION

**Xtreme® EP Gear Oils** are heavy-duty extreme-pressure industrial gear lubricants blended from highly refined bases stocks and extreme pressure (EP) additives, plus rust, oxidation, and foam inhibitors. These oils are intended for use in industrial gear boxes where ISO EP gear oils are recommended.

**Xtreme® EP Gear Oils** are suitable for use in automotive applications where GL-4 gear oils are recommended, but are not intended for use in automotive and heavy duty differentials using offset spiral bevel (Ring & Pinion Hypoid) gear sets. Use GL-5 gear oils for those applications. EP and GL-4 gear oils are commonly used in industrial gear boxes and are excellent heat transfer fluids. These gear oils are non-foaming and compatible with all brass and bronze bearings and have excellent demulsibility properties.

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### APPLICATION

- Industrial gear boxes where ISO EP or AGMA gear oils are recommended
- Automotive and heavy duty transmissions up to GL-4 levels
- Gear reducers
- Oilfield pumping units

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### BENEFITS

- Provide a thick hydro-dynamic film between gears
- Excellent film strength at high operating temperatures
- Full ep treatment for extreme pressure protection
- Excellent heat transfer properties to keep gearsets cool
- Outstanding resistance to foaming
- Prevents corrosion of copper and brass

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### PERFORMANCE LEVELS

AGMA	9005-E02 (5EP), Clean S-200 Oxidation
DIN	51 517 Part 3
General Motors	LS-2
FZG	Pass 12, pass 13
David Brown	S1.53.101 (5e)
Cincinnati	Landis P-74 (C-220)
U.S. Steel	224
API	GL-3, GL-4 Extreme Pressure Gear Oils



### CROSS PACKAGING DIVISION

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## Product Information

TYPICAL PROPERTIES	ISO (ASTM) Grade AGMA Grade	68	100	150	220	320	460	680
		Specific Gravity at 15.6°C	D 1298	0.8751	0.881	0.882	0.886	0.892
Viscosity cSt @ 40°C	D445	70.0	100.0	150.0	220.0	310.0	440.0	680.0
Viscosity cSt @ 100°C	D445	8.9	11.0	14.5	22.1	23.6	29.3	35.0
Viscosity Index	D2270	100	100	95	121	96	85	80
Pour Point °C	D97	-37	-28	-28	-15	-21	-18	-1
Flash Point, Coc °C	D92	235	243	243	232	232	254	254
Timken Load - Min.	D2586	70	70	70	70	70	70	70
Four-ball Weld Load	D2266	250	250	250	250	250	250	250
Four-ball Wear (MM.)	D5182	0.35	0.35	0.35	0.35	0.35	0.35	0.35
FZG (Pass load stage)	D130	12	12	12	12	12	12	12
Copper Corrosion	D2711	1A	1A	1A	1A	1A	1A	1A
Demulsibility								
- Free Water		85	85	85	85	85	85	85
- Water In Oil		0.6	0.6	0.6	0.6	0.6	0.6	0.6
- Emulsion		0	0	0	0	0	0	0
AGMA		2EP	3EP	4EP	5EP	6EP	7EP	8EP

The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice.

**Health And Safety Information** See separate Material Safety Data Sheets available on request.



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